

PRODUCT OVERVIEW 2021 | PROFESSIONAL

HOT WATER HIGH-PRESSURE CLEANERS



WET AND DRY VACUUM CLEANERS



DRY VACUUM CLEANERS/VACUUM SWEEPERS



STEAM CLEANERS/VACUUM CLEANERS



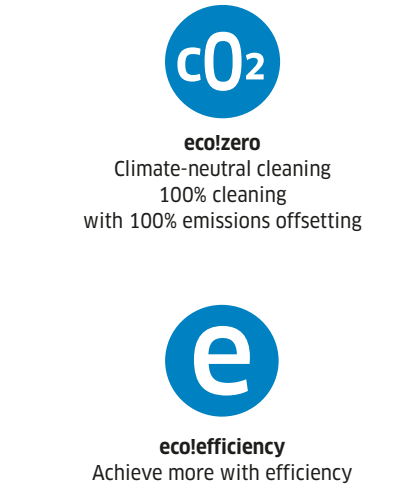
SWEEPERS/VACUUM SWEEPERS



WATER RECLAMATION



eco:zero eco:efficiency



COLD WATER HIGH-PRESSURE CLEANERS



INDUSTRIAL VACUUMS



CARPET CLEANERS



SCRUBBERS/SCRUBBER DRIERS



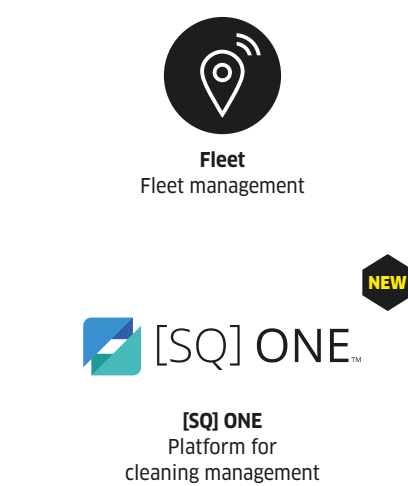
DRY ICE CLEANING



AIR AND WATER



DIGITAL SOLUTIONS



STATIONARY HIGH-PRESSURE CLEANERS



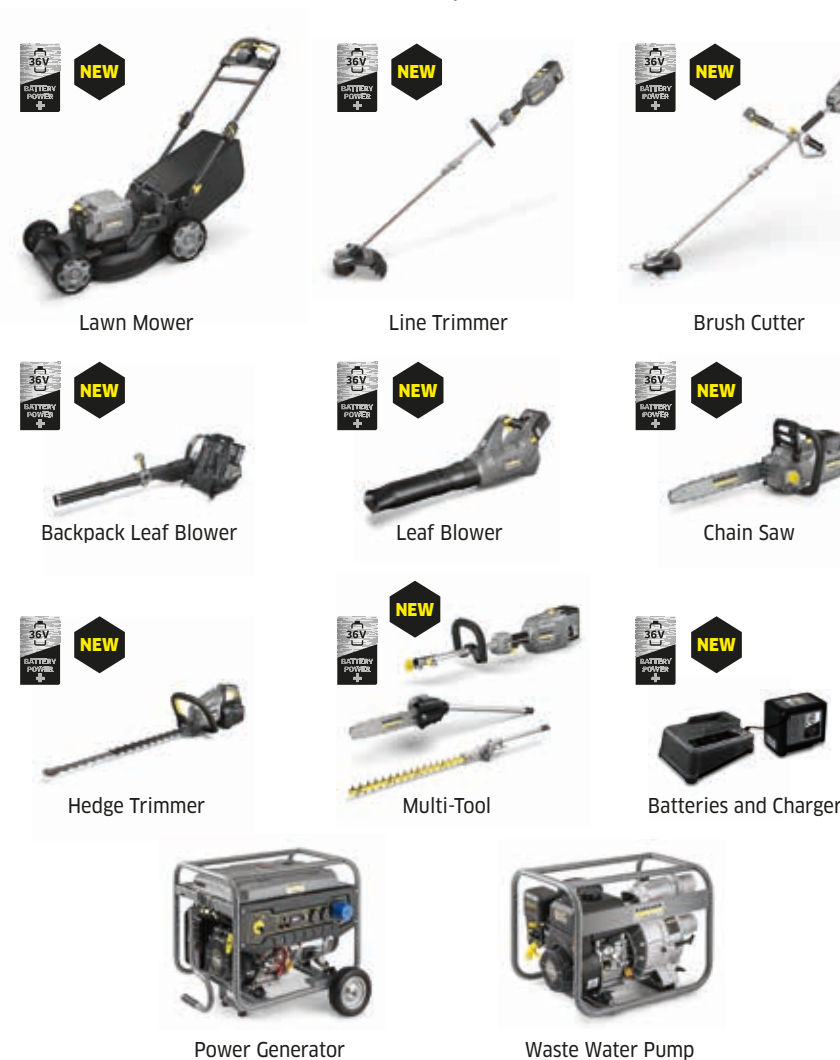
ULTRA HIGH-PRESSURE CLEANERS



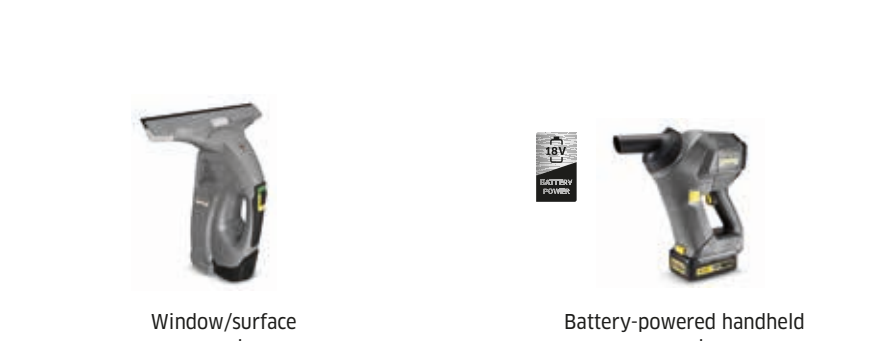
HIGH-PRESSURE CLEANER ACCESSORIES



OUTDOOR POWER EQUIPMENT



PUSH VACUUM CLEANER



MANUAL CLEANING EQUIPMENT



VACUUM SWEEPERS AND MUNICIPAL IMPLEMENT CARRIERS



SERVICES



FAÇADE, SOLAR, WINDOW AND GROUND CLEANING



TANK CLEANING SPRAY HEADS



DETERGENTS AND CARE AGENTS



OVERVIEW OF TECHNICAL DATA

Hot water high-pressure cleaners						
	Power supply (phases) (V/Hz)	Connection load (kW)	Flow rate (l/h)	Nozzle pressure (bar/MPa)	Max. temperature (°C)	
HDS Super Class						
HDS 13/20-4.5 i SX	3	9.3	600-1300	30-200/3-18	80/155	
HDS 12/18-4.5 i SX	3	8.4	600-1200	30-180/3-18	80/155	
HDS Middle Class						
HDS 13/20-4 M i MX	3	7.8	500-1000	30-200/3-20	80/155	
HDS 9/18-4 M i MX	3	6.4	450-900	30-180/3-18	80/155	
HDS 8/18-4 M i MX	3	5.5	400-800	30-180/3-18	80/155	
HDS 7/12-4 M i MX	1	3.4	350-700	30-120/3-12	80/155	
HDS Compact Class						
HDS 8/18-4 C i CX	3	6	300-800	30-180/3-18	80/155	
HDS 8/17-1 C i CX	3	5.7	290-700	30-170/3-17	max. 80	
HDS 7/16-1 C i CX	3	4.7	270-660	30-160/3-16	max. 80	
HDS 6/14-4 C i CX	3	1.36	240-560	30-140/3-14	80/155	
HDS 6/14-1 C i CX	3	1.36	240-560	30-140/3-14	max. 80	
HDS 5/12-1 C i CX	1	2.9	500	120/12	80	
HDS Upright Class						
HDS 5/15 U i UX	1	2.7	450	150/15	max. 80	
HDS 5/13 U i UX	1	2.6	500	125/12.5	max. 80	
HDS 5/11 U i UX	1	2.2	450	110/11	max. 80	
HDS Trailer						
HDS 9/50 De Tr 1	-	-	500-900	150-500/15-50	85/98	
HDS 13/35 De Tr 1	-	-	650-1300	150-350/15-35	85/98	
HDS 17/20 De Tr 1	-	-	900-1700	70-200/7-20	80/155	
HDS 13/20 De Tr 1	-	-	900-1300	50-200/5-20	85/98	
HDS Special Class						
HDS 2000 Super	3	2 x 6.7	800-1850	30-180/3-18	80/98	
HDS 8/16-4 M 36 kW	3	41.5	300-760	30-160/3-16	58/85	
HDS 8/16-4 M 24 kW	3	29.5	300-760	30-160/3-16	45/85	
HDS 8/16-4 M 13 kW	3	17.5	300-760	30-160/3-16	30/85	
HDS with combustion engine						
HDS 1000 De	-	-	450-900	40-200/4-20	80/98	
HDS 1000 Be	-	-	450-900	40-200/4-21	80/98	
HDS 1000 De cleaner	-	-	340-900	30-200/3-20	80/155	
HDS 8/20 C i De	-	-	800	200/20	max. 80	
Hot water generator						
HG 64	1	0.3	300-1300	max. 220/22	80	
HG 43	1	0.3	300-1300	max. 200/20	80	

Cold water high-pressure cleaners						
	Power supply (phases) (V/Hz)	Connection load (kW)	Flow rate (l/h)	Max. pressure (bar/MPa)	Working pressure (bar/MPa)	
HD Special Class						
HD 17/14-4.5 Plus i SX Plus	3	9.4	650-1700	154/15.4	30-140/3-14	
HD 13/18-4.5 Plus i SX Plus	3	9.2	650-1300	118/11.8	30-180/3-18	
HD 10/25-4.5 Plus i SX Plus	3	9.2	500-1000	275/27.5	30-250/3-25	
HD 10/23-4.5 Plus i SX Plus	3	7.8	500	253/25.3	30/23	
HD Middle Class						
HD 9/20-4 M i M Plus i MXA Plus	3	7	460-900	220/22	40-200/4-20	
HD 8/18-4 M i M Plus i MXA Plus	3	4.8	380-760	270/27	30-180/3-18	
HD 7/16-4 M i M Plus i MXA Plus	3	4.2	350-700	240/24	30-160/3-16	
HD 7/17 M i M Plus i MXA Plus	3	4.2	700	255/25.5	170/17	
HD 7/14-4 M i M Plus i MXA Plus	1	3.4	760	210/21	140/14	
HD 6/15 M i M Plus i MXA Plus	1	3.1	560	225/22.5	150/15	
HD Middle Class Stationary						
HD 8/18-4 M St	3	4.6	760	270/27	30-180/3-18	
HD 7/17 M St	3	4.2	700	255/25.5	170/17	
HD 6/15 M St	1	3.1	560	225/22.5	150/15	
HD Middle Class Cage						
HD 7/16-4 M Cage	3	4.6	760	270/27	30-180/3-18	
HD 7/17 M Cage	3	4.2	700	255/25.5	170/17	
HD 7/16-4 M Cage	3	4.2	350-700	240/24	30-160/3-16	
HD 7/17 M Cage	3	4.2	700	255/25.5	170/17	
HD 7/14-4 M Cage	1	3.1	700	210/21	140/14	
HD 6/16-4 M Cage	1	3.1	600	240/24	160/16	
HD 6/15 M Cage	1	3.1	560	225/22.5	150/15	
HD Compact Class						
HD 6/13 C i C Plus i CX Plus	1	3	480	200/20	170/17	
HD 6/13 C i C Plus i CX Plus	1	2.9	590	190/19	130/13	
HD 5/15 C i C Plus i CX Plus	1	2.8	500	200/20	150/15	
HD 5/12 C i C Plus i CX Plus	1	2.5	500	175/17.5	120/12	
HD Portable Class						
HD 5/11 P i P Plus	1	2.2	480	160/16	110/11	
HD Battery						
HD 4/100 Bt Pack	-	-	320-400	150/15	70-110/7-11	
HD Trailer						
HD 9/23 De Tr 1 i Ge Tr 1	-	-	400-930	250/25	40-230/4-23	
HD Special Class						
HD 25/15-4 Cage Plus	3	12.5	500-2500	190/19	30-150/3-15	
HD 20/15-4 Cage Plus	3	11	500-2000	190/19	30-150/3-15	
HD 16/15-4 Cage Plus	3	9.5	500-1600	190/19	30-150/3-15	
HD 10/25-4 Cage Plus	3	9.2	500	220/22	150/15	
HD 10/16-4 Cage Ex	3	5.5	1000	220/22	160/16	
HD 10/15-4 Cage Food	3	6.4	440-990	175/17.5	20-145/2-14.5	
HD 10/15-4 Cage Food	3	4.5	250-700	120/12	10-100/1-10	
HD Gasoline Advanced						
HD 9/23 De i G	-	-	400-930	250/25	40-230/4-23	
HD 9/21 G	-	-	200-850	230/23	10-210/1-21	
HD 8/20 G	-	-	200-750	230/23	10-210/1-21	
HD 7/15 G	-	-	650	160/16	150/15	
HD 728 B	-	-	650	160/16	150/15	
HD Classic						
HD 9/20-4 Classic	3	6.9	520-900	240/24	70-200/7-20	
HD 7/18-4 Classic	3	4.9	520-700	200/20	70-180/7-18	
HD 6/15-4 Classic	1	3.4	450-600	190/19	70-150/7-15	
HD 7/14-4 Classic	1	2.9	520-700	150/15	70-140/7-14	
HD 9/18-4 Cage Classic	3	5.9	450-900	250/25	70-180/7-18	
HD 7/16-4 Cage Classic	3	4.3	400-700	220/22	70-160/7-16	
HD 7/14-4 Cage Classic	1	3.1	520-700	160/16	70-140/7-14	
HD 5/11 Cage Classic	1	2.2	500	160/16	110/11	
HD 9/25-4 Classic	-	-	900	300/30	250/25	
HD 8/23-4 Classic	-	-	800	280/28	230/23	
HD 7/20-4 Classic	-	-	700	250/25	200/20	
HD 6/15-4 Classic	-	-	600	200/20	150/15	

Façade, solar, window and ground cleaning						
	Weight (kg)	Working width (mm)	Machine flow rate (l/h)	Length (m)	Material	
Solar panel cleaner						
(Solar) brush 400	1.7	400	700-1000/1100-1300	-	-	
(Solar) brush 800	4	800	700-1000/1100-1300	-	-	
Roller brush 500	2.8	500	390-1000	-	-	
Façade brush	0.9	400	-	-	-	
TL 7 telescopic pole	2.6	-	-	2-7	Fiber-glass	
TL 7 H telescopic pole	2.5	-	-	2-7	Hybrid	
TL 10 H telescopic pole	4.8	-	-	2-10	Hybrid	
TL 10 C telescopic pole	4.6	-	-	2-10	Carbon	
TL 14 telescopic pole	5.5	-	-	2-14	Carbon	
High-pressure cleaner accessories						
	Weight (kg)	Working width (mm)	Area (m²)	Inflow rate (l/min)	Max. temperature (°C)	
Weed removal						
WR 100	1.2	1000	350-500	8.3-16.7	100	
WR 50	2.1	500	150-350	8.3-16.7	100	
WR 20	0.3	200	80-150	5.8-8.3	100	
WR 10	0.3	100	80-150	5.8-8.3	100	
Surface cleaners						
FR Classic	1.6	300	max. 600	max. 150	40	
FR 30	2.7	300	max. 850	max. 180	60	
FR 30 Me	4.2	300	max. 1300	max. 250	85	
FR 50 Me	14.5	500	max. 1800	max. 250	85	
Surface cleaner with suction						
FRV 30	5.5	300	max. 1300	max. 250	60	
FRV 30 Me	7.1	300	max. 1300	max. 250	85	
FRV 50 Me	16.9	500	max. 2000	max. 250	85	

Stationary high-pressure cleaners						
	Power supply (phases) (V/Hz)	Connection load (kW)	Flow rate (l/h)	Nozzle pressure (bar/MPa)	Max. temperature (°C)	
Stationary hot water high-pressure cleaners, multiple lance operation						
HDS 12/14-4 St	3	7.5	600-1200	30-140/3-14	155/80	
HDS 12/14-4 St Gas	3	7.5	600-1200	30-140/3-14	98/98	
HDS 12/14-4 St Gas LPG	3	7.5	600-1200	30-140/3-14	98	
HDS 9/16-4 St	3	6.4	500-960	30-140/3-14	155/80	
HDS 9/16-4 St Gas	3	6.4	500-960	30-160/3-16	98/98	
Stationary cold water high-pressure cleaners, multiple lance operation						
HDS 120/10	3	44.5/46	700-12000	100/10	85	
HDS 90/10	3	33.5/35	700-9000	100/10	85	
HDS 60/10	3	22.5/24	700-6000	100/10	85	
HDS 80/16	3	45/46	700-8000	160/16	85	
HDS 80/08	3	23/24	700-8000	80/8	85	
HDS 60/16	3	34/35	700-6000	160/16	85	
HDS 60/08	3	17.5/18.5	700-6000	80/8	85	
HDS 40/16	3	23/24	700-4000	160/16	85	
HDS 40/08	3	12/13	700-4000	80/8	85	
HDS 20/16	3	11.5/12	700-2000	160/16	85	
HDS 20/08	3	7	700-2000	80/8	85	
Stationary cold water high-pressure cleaners, single lance operation						
HD 12/12-4 St	3	6.4	650-1300	30-120/3-12	70	
HD 7/16-4 St	3	4.4	460-900	30-180/3-18	70	
HD 7/16-4 St	3	4.4	460-900	30-160/3-16	70	

Ultra high-pressure cleaners						
	Drive	Power supply (phases) (V/Hz)	Power (kW)	Flow rate (l/h)	Max. working pressure (bar/MPa)	
HD Cage 30 kW						
HD 9/100 De Upright i Classic	Diesel	-	30	880	1000/100	
HD 9/100-4 Cage i Classic	Electric	3	30	980	1000/100	
HD 9/100-4 Cage Upright i Classic	Electric	3	30	1800	500/50	
HD Cage 15 kW						
HD 9/50-4 Cage	Electric	3	15	500-900	500/50	
HD 13/35-4 Cage	Electric	3	15	500-1300	350/35	
HD 9/50-4 Cage	Petrol	-	16	500-900	500/50	
HD 13/35-4 Cage	Petrol	-	16	500-1300	350/35	

Wet and dry vacuum cleaners						
	Air flow rate (l/s)	Max. power (kW)	Container capacity (l)	Max. suction (mbar/MPa)	Max. noise (dB(A))	
Tact class						
NT 75/2 Tact Me i Te Adv	2 x 7.4	254/25.4	75	2760	73	
NT 75/2 Tact Me i Me Te	2 x 7.4	254/25.4	75	2760	73	
NT 65/2 Tact Me i Te	2 x 7.4	254/25.4	65	2760	73	
NT 55/2 Tact Me i Te	2 x 7.4	254/25.4	55	2760	73	
NT 50/1 Tact Te L	7.4	254/25.4	50	1380	68	
NT 40/1 Tact Te L	7.4	254/25.4	40	1380	68	
NT 30/1 Tact Te L	7.4	254/25.4	30	1380	69	
Ap class						
NT 75/2 Ap Me Te	2 x 7.4	254/25.4	75	2760	73	
NT 65/2 Ap	2 x 7.4	254/25.4	65	2760	73	
NT 40/1 Ap	7.4	254/25.4	40	1380	70	
NT 30/1 Ap	7.4	254/25.4	30	1380	70	
NT 22/1 Ap Pack L Ap Bp L	57	152/15.2	22	550	70	
Standard class						
NT 75/2 S Te L	2 x 7.4	254/25.4	70	3600	79	
NT 70/2 T Te Adv i Me i Me Te	2 x 7.4	254/25.4	70	2400	75	
NT 48/1 Te	67	200/20	48	1380	72	
NT 37/1 Adv Me i Me Adv	67	200/20	27	1380	72	
Class range						
NT 90/2 Me Classic	2 x 5.3	225/22.5	90	2300	76	
NT 70/2 Me Classic	2 x 5.3	225/22.5	70	2300	76	
NT 50/2 Me Classic	2 x 2.5	125/12.5	50	2300	76	
NT 38/1 S Me Classic	59	227/22.7	38	1500	78	
NT 30/1 Me Classic	59	227/22.7	30	1500	78	
NT 20/1 Me Classic	59	227/22.7	20	1500	78	
Safety vacuum cleaners and special vacuums						
NT 80/1 B1 S V	56	235/23.5	80	1380	70	
NT 75/1 B1 S V H 222	57	235/23.5	75	1380	70	
NT 75/1 Tact Me i Te H	7.4	254/25.4	75	1000	67	
NT 75/1 Tact Me i Te H i H	7.4	254/25.4	50	1380	69	
NT 40/1 Tact Me i Te H i H	7.4	254/25.4	30	1380	69	
NT 30/1 Tact Me i Te H i H	57	235/23.5	30	1380	69	
NT 40/1 Tact Bp	7.4	254/25.4	40	1380	68	